

# Safety (MSDS) data for 1-methylimidazole



## General

Synonyms: 1-methyl-1H-imidazole, n-methylimidazole

Molecular formula:  $C_4H_6N^2$

CAS No: 616-47-7

EC No: 210-484-7

## Physical data

Appearance: liquid

Melting point: -60 C

Boiling point: 198 C

Vapour density:

Vapour pressure: 0.4 mm Hg at 20 C

Specific gravity: 1.03

Flash point: 92 C

Explosion limits: 2.7 % - 15.7 %

Autoignition temperature: 525 C

## Stability

Stable. Incompatible with acids, acid anhydrides, strong oxidizing agents, moisture, carbon dioxide, acid chlorides.

## Toxicology

Harmful by inhalation, ingestion or if absorbed through skin. Very destructive of mucous membranes. Corrosive - causes burns.

### Toxicity data

(The meaning of any toxicological abbreviations which appear in this section is given [here](#).)

ORL-MUS LD50 1400 mg kg<sup>-1</sup>

### Risk phrases

(The meaning of any risk phrases which appear in this section is given [here](#).)  
R21 R22 R34.

## Transport information

(The meaning of any UN hazard codes which appear in this section is given [here](#).)  
UN Major hazard class 8.0. Packing group II

## Personal protection

Safety glasses, adequate ventilation.

### Safety phrases

(The meaning of any safety phrases which appear in this section is given [here](#).)  
S26 S36 S37 S39 S45.

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